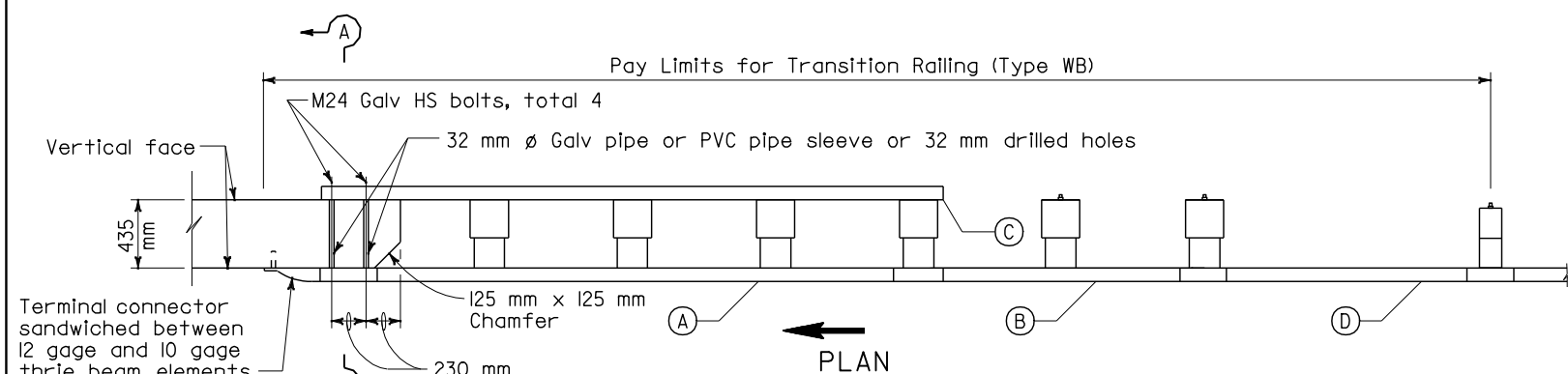


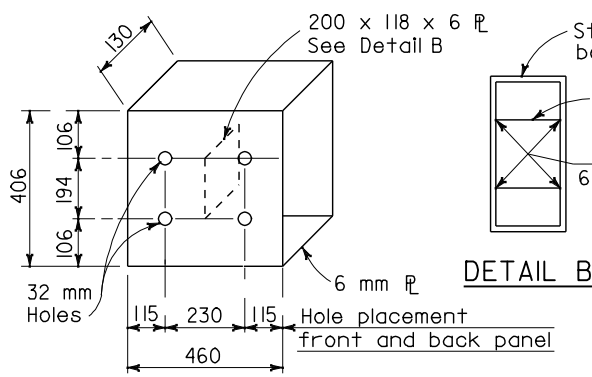
TRANSITION RAILING (TYPE WB)
(Blockout Attachment)



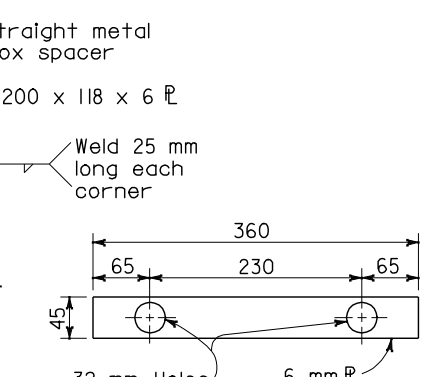
TRANSITION RAILING (TYPE WB)
(No Blockout Attachment)

LEGEND

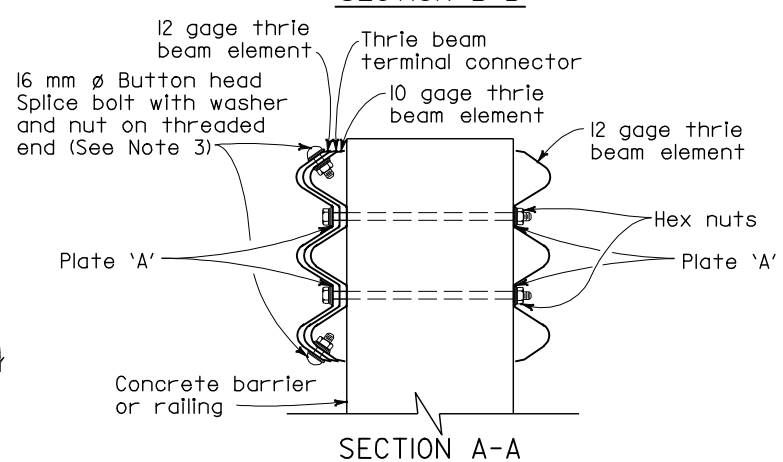
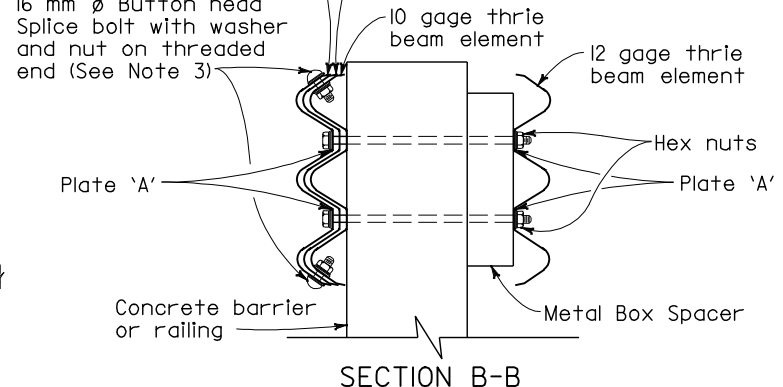
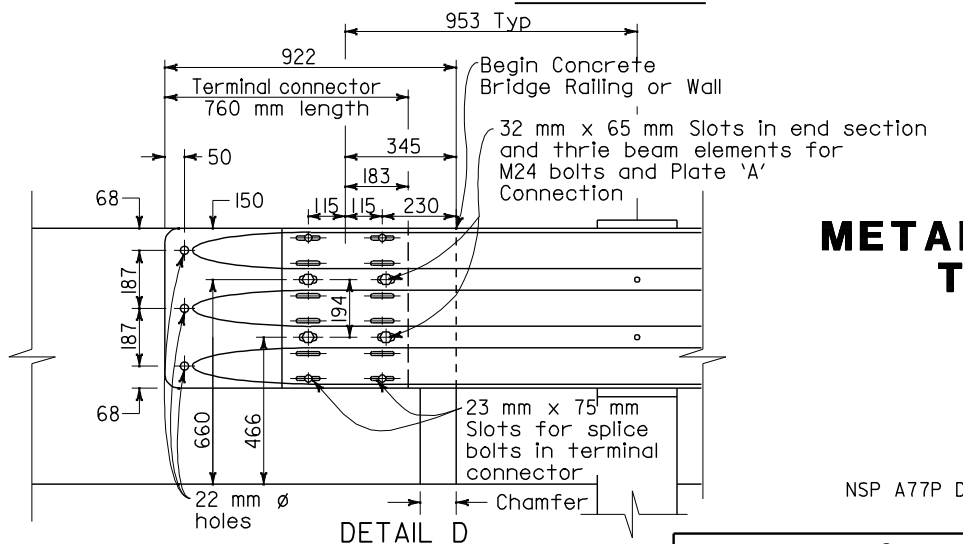
- (A) Nested thrie beam elements (one 12 gage element nested over one 10 gage element).
 - (B) One 10 gage "W" beam to thrie beam element.
 - (C) One 12 gage thrie beam element.
 - (D) One 10 gage "W" beam rail element (2221 mm length)
- 10 gage = 3.43 mm thick
12 gage = 2.67 mm thick



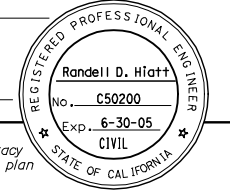
DETAIL A
STRAIGHT METAL BOX SPACER



DETAIL C
PLATE 'A'



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
Randell D. Hiatt REGISTERED CIVIL ENGINEER					
December 30, 2004 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



NOTES:

1. Use 16 mm Ø Button head bolts and hex nuts for connections to posts. No washer on rail face for bolted connections to post.
2. The nested rail elements, terminal connector, and 'W' beam to thrie beam element may be spliced together prior to bolting the elements to the wood post and concrete barrier or railing.
3. Exterior splice bolt holes for rail element splices at Post No. T4 and the connection to the concrete barrier or railing shall be the standard 23 mm x 29 mm slot size. Interior splice bolt holes at these locations may be increased up to 32 mm Ø. Only the top 2 and the bottom 2 splice bolts with washers and nuts are required for rail splices at Post No. T4 and the connection to the concrete barrier or railing.
4. Direction of adjacent traffic indicated by →.
5. The top elevation of Post Nos. T2 through T7 shall not project more than 25 mm above the top elevation of the rail element.
6. Typically, the railing connected to Transition Railing (Type WB) will be either standard railing section of metal beam guard railing or an approved Caltrans end treatment attached to Post No. T1.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING
TRANSITION RAILING
(TYPE WB)

NO SCALE

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN
NSP A77P DATED DECEMBER 30, 2004 SUPPLEMENTS THE STANDARD
PLANS BOOK DATED JULY 1999.

NEW STANDARD PLAN NSP A77P